

**ABSTRACT OF THE DISCLOSURE**

A device for transmitting digital signals between two units mobile relative to each other, in particular via non-contacting rotary joints, comprises a coding means on a transmitter side along a signal transmission path, for matching a coding of the digital signals to transmission characteristics of the transmission path so as to achieve a  
5 predetermined spectral distribution of a signal. An optional decoder means on a receiver side regenerates original signals so that the coding will be hidden, but a substantially more reliable transmission is achieved.